



**Arbovirus Surveillance Program**  
**Massachusetts Department of Public Health**  
**Infectious Diseases Laboratory Division**  
**State Laboratory Institute**

**Date:** August 11, 2000

Two additional birds, a grackle from Brookline and a crow from Upton, both found dead on 8/6/2000, were confirmed positive for West Nile Virus this week. Intensive mosquito trapping and ecological surveys have been initiated at and around the sites where the six WNV positive birds were found. Massachusetts residents are reminded to take precautions against mosquito bites and remove standing water near their homes. Consideration of limited and targeted mosquito control is recommended for appropriate locations within a two-mile radius of sites where birds are found.

Trapping continued at the sixteen regular long-term sites in Plymouth, Bristol, Norfolk, Middlesex and eastern Worcester Counties. Sites in Boston, Northampton, Springfield, and Greenfield were also trapped. In addition, Mosquito Control Projects throughout the state continue to send in mosquitoes for testing. Over 1,100 mosquito pools collected from sites throughout Massachusetts have been tested to date. All mosquitoes tested this week have yielded negative results for WNV and EEE virus.

To date, 42 humans have been tested for WNV infections. All tests of specimens from humans have been negative for WNV.

Weekly arbovirus reports and informational material on WNV and EEEV can be accessed at <http://www.state.ma.us/dph>.

**Total Number of Mosquitoes Analyzed: 12,945**

**Virus Isolates in Mosquito Pools:**

<b>Virus</b>	<b>Mosquito</b>	<b>Site</b>	<b>Collection Date</b>
1 HJV	<i>Culex pipiens</i>	Boston	6/29/00
1 EEEV	<i>Culiseta melanura</i>	Easton	7/23/00
1 EEEV	<i>Culiseta melanura</i>	Boston	7/24/00

**WNV Positive Birds:**

<b>Site</b>	<b>Species</b>	<b>Date of Bird Death</b>
Boston	Crow	7/22/00
Hopkinton	Crow	7/21/00
Boston	Robin	7/28/00
Brookline	Crow	8/1/00
Brookline	Grackle	8/6/00
Upton	Crow	8/6/00

# Mosquito Surveillance Weekly Test Report

8/5/00 to 8/11/00

Site	Mosquito Species*							Virus in Mosquito Pools**		
	Cs mel	Cq per	Ae can	Ae vex	Cx pip	Cx other	Other Sp	EEEV	HJV	WNV
Boston	0	0	0	0	0	0	0	0	0	0
Brockton	12	1	0	0	2	0	0	0	0	0
Canton	10	31	1	0	0	1	0	0	0	0
Carver	7	53	0	0	1	0	0	0	0	0
Easton	2	0	0	0	4	1	0	0	0	0
Foxboro	13	12	0	0	16	1	0	0	0	0
Greenfield	0	0	0	1	3	1	0	0	0	0
Halifax	181	2	2	0	0	3	0	0	0	0
Hanover	12	6	0	0	0	0	0	0	0	0
Holliston	22	0	0	0	0	0	0	0	0	0
Hopkinton	0	0	0	0	0	0	0	0	0	0
Kingston	7	4	0	0	4	1	0	0	0	0
Lakeville	0	7	0	0	5	0	0	0	0	0
New Bedford	39	1	0	0	0	1	0	0	0	0
Northampton	1	1	0	135	3	0	0	0	0	0
Raynham	1	1	0	0	0	0	0	0	0	0
Rehoboth	4	0	4	0	0	0	0	0	0	0
Springfield	0	0	0	9	9	6	0	0	0	0
Walpole	9	45	1	0	0	1	0	0	0	0
Westboro	37	1	0	0	16	0	0	0	0	0
Westport	6	0	0	0	0	1	0	0	0	0
<b>Total for DPH</b>	<b>363</b>	<b>165</b>	<b>8</b>	<b>145</b>	<b>63</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**\*Mosquito species name abbreviations:**

Cs mel = *Culiseta melanura*  
 Cq per = *Coquillettidia perturbans*  
 Ae can = *Aedes canadensis*  
 Ae vex = *Aedes vexans*  
 Cx pip = *Culex pipiens*

**\*\*Virus name abbreviations:**

EEEV = Eastern Equine Encephalitis Virus  
 HJV = Highlands J Virus  
 WNV = West Nile Virus

Monday, August 14, 2000

# *Mosquito Surveillance Cumulative Test Report      5/31/00 to 8/11/00*

<i>Site</i>	<u><i>Mosquito Species*</i></u>							<u><i>Virus in Mosquito Pools**</i></u>		
	<i>Cs mel</i>	<i>Cq per</i>	<i>Ae can</i>	<i>Ae vex</i>	<i>Cx pip</i>	<i>Cx other</i>	<i>Other Sp</i>	<i>EEEV</i>	<i>HJV</i>	<i>WNV</i>
Boston	1	0	0	0	524	296	0	0	0	0
Brockton	84	24	15	4	12	13	0	0	0	0
Canton	117	87	27	12	14	13	0	0	0	0
Carver	107	322	11	2	5	4	0	0	0	0
Easton	625	22	242	4	78	77	1	1	0	0
Foxboro	197	79	53	9	32	9	0	0	0	0
Greenfield	2	1	0	1	31	10	3	0	0	0
Halifax	738	25	45	2	55	32	12	0	0	0
Hanover	102	6	7	1	13	6	1	0	0	0
Holliston	140	8	79	6	13	23	0	0	0	0
Hopkinton	0	0	1	8	140	120	1	0	0	0
Kingston	240	43	10	3	36	18	0	0	0	0
Lakeville	25	32	6	0	23	14	0	0	0	0
New Bedford	366	17	22	4	73	30	1	0	0	0
Northampton	1	3	15	214	16	1	1	0	0	0
Raynham	77	21	21	6	17	11	15	0	0	0
Rehoboth	46	0	60	9	10	4	0	0	0	0
Springfield	18	4	7	12	25	25	0	0	0	0
Walpole	115	307	31	59	16	4	8	0	0	0
Westboro	169	33	49	10	52	17	6	0	0	0
Westport	40	1	25	2	2	18	2	0	0	0
<b><i>Total for DPH</i></b>	<b>3210</b>	<b>1035</b>	<b>726</b>	<b>368</b>	<b>1187</b>	<b>745</b>	<b>51</b>	<b>1</b>	<b>0</b>	<b>0</b>

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## ***Mosquito Control District Cumulative Surveillance Report through 8/11/2000***

<b><i>Site</i></b>	<b><u>Mosquito Species*</u></b>							<b><u>Virus in Mosquito Pools**</u></b>		
	<b><i>Cs mel</i></b>	<b><i>Cq per</i></b>	<b><i>Ae can</i></b>	<b><i>Ae vex</i></b>	<b><i>Cx pip</i></b>	<b><i>Cx other</i></b>	<b><i>Other Sp</i></b>	<b><i>EEEV</i></b>	<b><i>HJV</i></b>	<b><i>WNV</i></b>
Bristol County MCD	9	0	0	1	665	136	0	0	0	0
Cape Cod MCD	0	0	0	0	0	1871	0	0	0	0
Central MA MCD	0	0	0	0	31	38	0	0	0	0
East Middlesex MCD	0	0	0	0	250	879	0	0	0	0
Essex County MCD	0	0	0	0	75	9	0	0	0	0
Norfolk County MCD	0	0	0	0	75	17	0	0	0	0
Norfolk MCD	0	0	0	0	73	13	0	0	0	0
Northeast MCD	0	0	0	0	2	0	0	0	0	0
Plymouth County MCD	0	7	0	38	109	4	0	0	0	0
Suffolk County MCD	114	235	98	369	399	106	1	1	1	0
<b><i>Total for MCD</i></b>	<b>123</b>	<b>242</b>	<b>98</b>	<b>408</b>	<b>1679</b>	<b>3073</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>

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